

UROSKOP Access

SP

Replacement of Parts

System

PC Celsius 420/444 with Celsius M410

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Document revision level

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Systems/Products affected

UROSOP Access systems in which the PC must be replaced because of repair measures.

This document can only be used for replacing PC types Celsius 420/444 with Celsius M410.

Prerequisites

The CSE must perform the PC replacement in accordance with this document and subsequently the installation of the imaging system software in accordance with the document "Startup; System; UROSOP Access Imaging System VA14A".

NOTICE

Installing the imaging system software in a manner deviating from the instructions in the document "Startup; System; UROSOP Access Imaging System VA14A" can lead to severe system errors.

⇒ If anything is unclear to you regarding the work to be done, please contact USC/RSC without delay.

NOTE

- Actions to be performed are marked with a bullet point.
 - Text listed in indented form below the action to be performed is intended as general information.

Safety information

General safety information

WARNING

Danger of property damage, injury, death!

Non-observance can lead to property damage, injury or death.

⇒ Observe the general safety instructions in this document, in the document "Medical Products; Safety Information; System" [TD00-000.860.01] and the safety instructions pursuant to ARTD part 2.

General safety information - electrical



WARNING

Electrical safety!

Non-observance can lead to property damage, serious injury or death.

- ⇒ After the covers are opened, parts under voltage are exposed. To prevent hazards, the system must be disconnected from the power source before the covers are opened.
- ⇒ If work must be performed with the product under live voltage, the general safety instructions given in document "Medical Products; Safety Information; System" [TD00-000.860.01] must be observed.



CAUTION

Non-observance can lead to property damage.

- ⇒ Observe the ESD guidelines pursuant to ARTD part 1 (ARTD-001.709.01) when working on the system.

Safety information - radiation



WARNING

Radiation!

Non-observance can lead to illness, irreversible damage to body cells and genetic structure, or death.

- ⇒ During work on the system that necessitates the release of radiation, the safety and radiation protection guidelines pursuant to ARTD part 2 (ARTD-002.731.02) must be observed.
- ⇒ Ensure that all available radiation protection devices are used, that radiation protection clothes are worn, that the distance to the source of radiation is as large as possible, that radiation is only released if necessary, and that the set-up values are as low as possible (low kV and mA values, short switch-on time).

Safety information - mechanical

CAUTION

Danger of burns from hot parts or components!

Non-observance can lead to light or moderate burns, especially to the hands.

- ⇒ **After cover panels are opened, components (especially cooling elements and high-performance parts) are exposed which can reach temperatures > 50°C.**
- ⇒ **To prevent burns caused by touching parts and components, the system must be switched off and allowed to cool down for at least 5 minutes.**

CAUTION

Danger of injuries from mechanical parts!

Non-observance can lead to light to moderate injuries, especially to the hands. After covers are opened, such parts as plugs, threaded bolts, shortened cable fixtures and the edges of components can be accidentally touched, possibly resulting in contusions, abrasions, and cuts of the skin, especially of the hands.

- ⇒ **Carry out such work with special caution.**
- ⇒ **Wear suitable protective gloves.**

Required documents

ARTD (Handling, Storage, Packaging, Preservation and Delivery)	ARTD part 1 (ARTD-001.715.)
ARTD "ESD Protection for Customer Service"	ARTD-001.709.01
ARTD "Radiation Protection RD and CT"	ARTD part 2 (ARTD-002.731.02)
ARTD "Safety and Radiation Protection Guidelines"	ARTD part 2
Medical Products; Safety Information; System	TD00-000.860.01
Startup; System; UROSKOP Access Imaging System VA14A	SPL5-330.815.05

Ordering information

This document is part of the following update kit:

Material No. 77 57 540 **Celsius M 410/VA14A update kit**

PC M 410 must be ordered (Mat. No. 83 80 425) in addition to this update kit.

Contents of the update kit

The update kit 77 57 540 contains the following parts:

Tab. 1 Contents Update Kit 77 57 540

Pos.	Quan.	Material No.	Name
1	1	77 57 490	Equalizing base
2	1	77 57 532	UROSKOP Access Imaging Software VA14A (CD)
3	1	74 10 819	UROSKOP Access SCU VB02H (floppy)
4	1	74 09 563	UROSKOP Access Online Help VA01C (floppy)
5	1	SPL5-330.815.05	Startup; System; UROSKOP Access Imaging System VA14A
6	1	SPL5-330.841.03.	Replacement of parts, PC Celsius 420/444 with Celsius M410

Based on the above description, the CSE should be able to check the update kit for completeness prior to beginning the update.

Return of parts

The following parts must be returned:

Celsius 420	57 56 460	or
Celsius 444	77 13 105	

All parts must be correctly packaged!

No credit will be issued for returned parts that have been damaged as a result of incorrect handling. These parts must be returned in accordance with ARTD, part 1 (Handling, Storage, Packaging, Preservation and Delivery; ARTD-001.715.) using the returned parts form.

Removal of front side cover of Celsius M410

- Remove the left side cover of the PC Celsius M410 after unlocking the cover with the green button (1/ Fig. 1 / p. 8).



Fig. 1: PC Celsius M410

NOTE

The left side cover has to be moved upwards.

- Push the 2 clamps (Fig. 2 / p. 9), (Fig. 3 / p. 9) down to remove the front side cover of the PC (Fig. 4 / p. 10).



Fig. 2:



Fig. 3:



Fig. 4:

- Push the 4 clamps (1/Fig. 5 / p. 10) to remove the grey cover out of the front side (silver) cover.

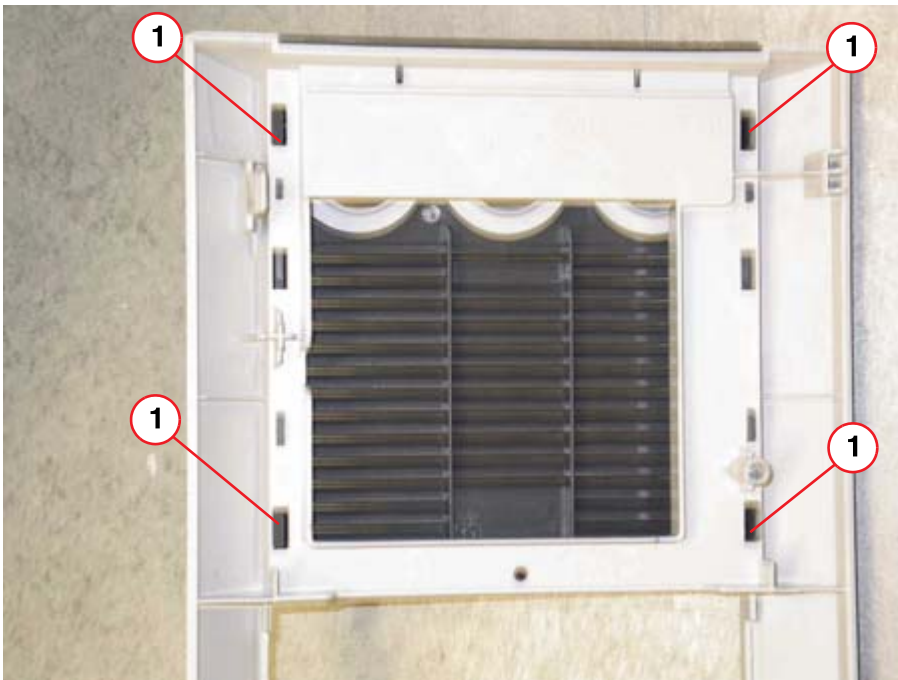


Fig. 5:

NOTE

When remounting the front side cover, take care not to damage the ribbon cable (1/Fig. 6 / p. 11).

- Reattach the front side cover to the PC (Fig. 7 / p. 12).



Fig. 6:



Fig. 7:

NOTE

Dispose of the small grey front side cover (Fig. 5 / p. 10).

- Reattach the left side cover of the PC.
 - ⇒ The green button at the rear of the PC should move out slightly when the left side cover is reattached.

Work steps

- Open the left side cover of the ASPIA container to access the PC (Fig. 8 / p. 13).

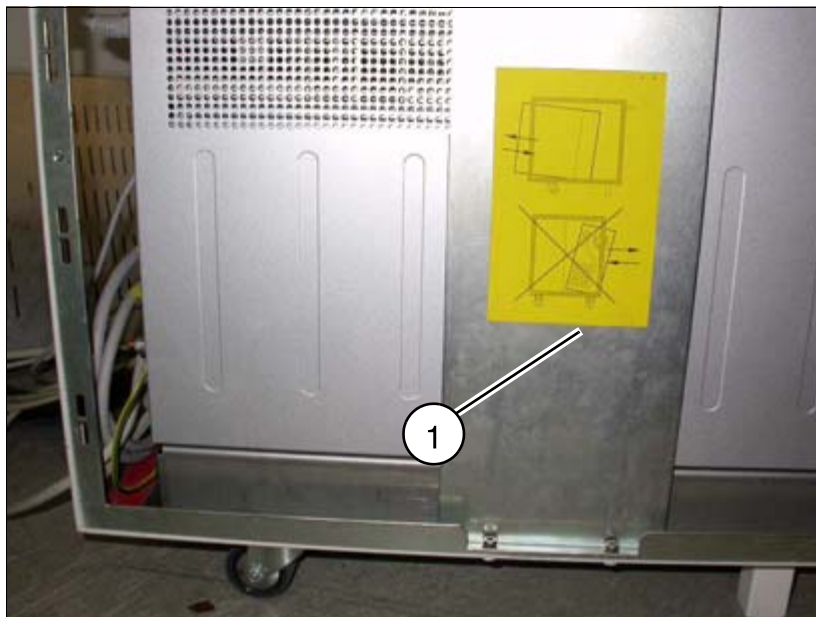


Fig. 8: side cover ASPIA container

- Detach all connection cables at the back of the PC.

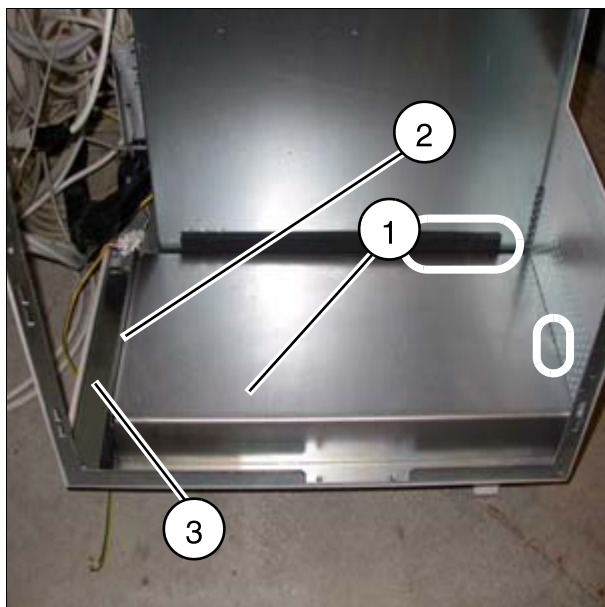


Fig. 9: back of the ASPIA container

- Remove the locking bracket (1/ Fig. 8 / p. 13) and the press-on bracket (3/ Fig. 9 / p. 13).
- Remove the PC.
- Place the equalizing base (1/ Fig. 9 / p. 13) in the ASPIA container, with the upward-bent stop toward the back of the container (2/ Fig. 9 / p. 13).
- Place the new PC on the equalizing base and push the base with the PC toward the intermediate wall and front wall of the container (see circular marks (Fig. 9 / p. 13)).

NOTE

Make sure the PC is set 1 cm back in the container (Fig. 10 / p. 14).



Fig. 10:

- The equalizing base is not locked.
 - ⇒ The bent up stop (2/Fig. 9 / p. 13) on the equalizing base must press against the back of the PC.
- Insert the press-on bracket (3/Fig. 9 / p. 13) loosely.
- Fasten the locking bracket (1/Fig. 8 / p. 13).
- Restore the cable connections at the back of the PC and fasten the side cover of the ASPIA container.
- Install the UROSKOP Access Imaging Software VA14A in accordance with the document "Startup; System; UROSKOP Access Imaging System VA14A" (SPL5-330.815.05).

Installation of the new SCU software

Backup of the XCU data

- Perform a backup before replacing the software.
- Take the site data disk from the System Binder.
- Start the XCS Service Software on the service PC.
- Insert the site data disk in the service PC, drive a:.

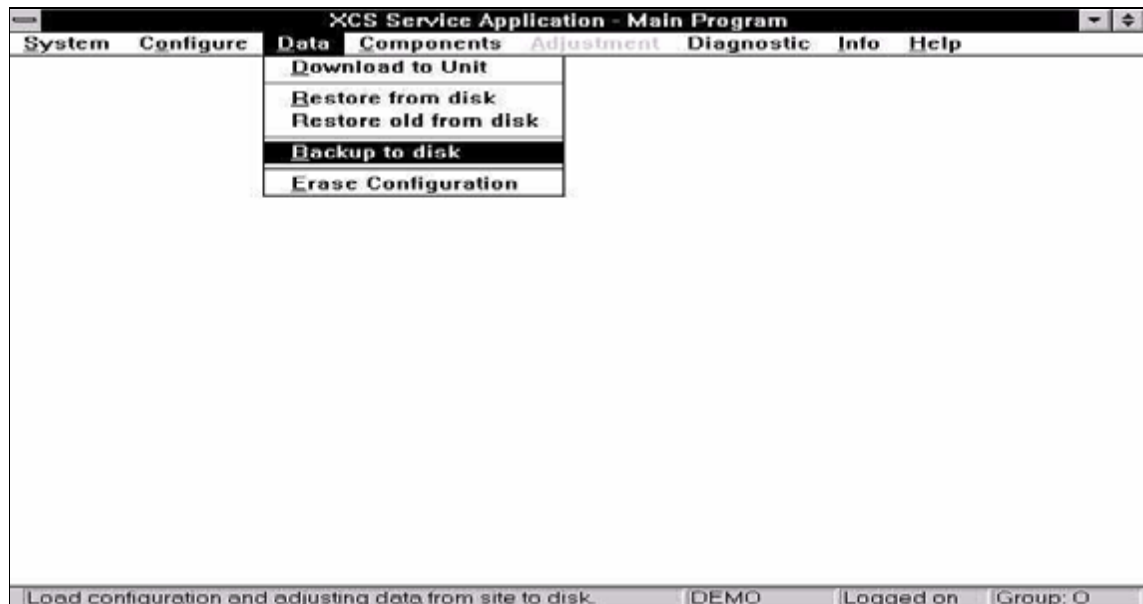


Fig. 11: XCS Service Application - Main Program

- Select **Backup to disk** (Fig. 11 / p. 15).
- Confirm with **OK**.
 - The backup is performed automatically.
- After performing the backup, confirm with **OK**.
- Remove the disk from drive a: and file it in the System Binder.

Download of the new SCU software

- Switch the generator **OFF**.
- Insert the floppy disk with the SCU software version VB02H in the floppy disk drive of the XCU in the generator.
- Switch the generator **ON**.

Switch on with the switch **S2** and button **S1** in the generator.

- Download is performed automatically.
 - ⇒ A tone sequence will signal the completion of the SW installation.

- Switch the generator **OFF**.

Switch off with the switch **S2** in the generator.

- Remove the download floppy disk from the floppy disk drive.
 - The new SCU is thus installed.

Installing the new UROSKOP Access Online Help

- If necessary install the new UROSKOP Access Online Help (VA01C) on the service PC.

Final check



- Perform a function check (release of fluoro and exposure; movement of the table longitudinal, transverse, tilting, lifting, lowering) of the system.

Subchapter "Special tools"	cancelled
Subchapter "Required documents"	revised.
Subchapter "Contents of the update kit"	items 5 and 6 revised
Subchapter "Return of parts"	revised.
Subchapter "Removal of front side cover of Celsius M410"	new
Subchapter "Work steps"	Bullet 6 revised; new note; Fig. 10 new; last bullet revised
Subchapter "Customer information"	cancelled
Subchapter "Final work steps"	cancelled
Subchapter "Completion Protocol"	cancelled